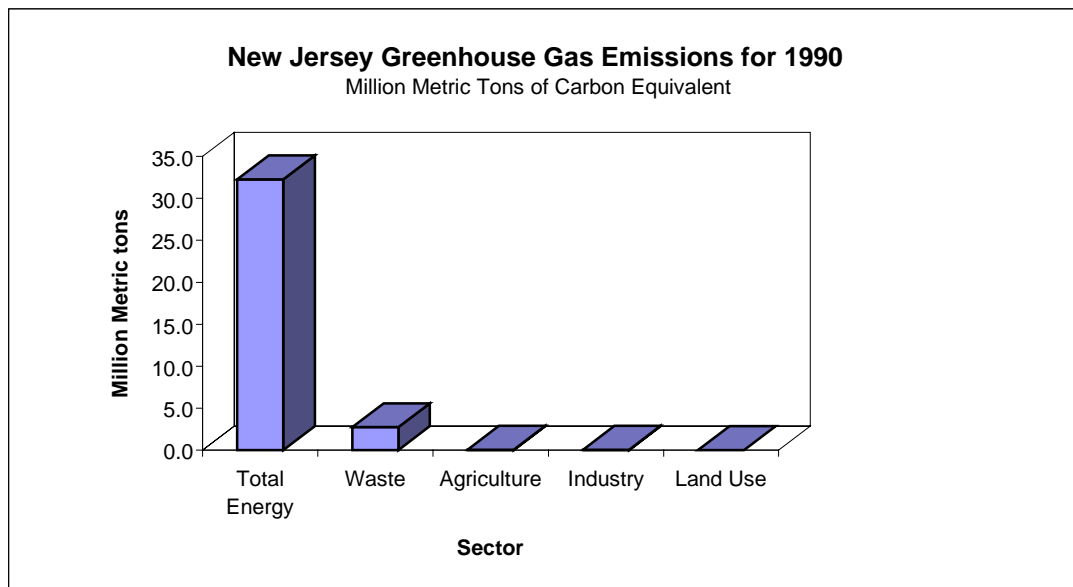


## NEW JERSEY GREENHOUSE GAS EMISSIONS AND SINKS INVENTORY: SUMMARY



This report provides a detailed inventory of greenhouse gas emissions and sinks for New Jersey in 1990. Emissions were estimated using methods from EPA's 1995 guidance document ***State Workbook: Methodologies for Estimating Greenhouse Gas Emissions***. In 1990, New Jersey emitted 35.1 million metric tons of carbon equivalent (MMTCE). In addition, New Jersey estimated emissions of 4.7 MMTCE from sources not included in the workbook.<sup>1</sup> Emissions from these sources are not included in the reported total or the table below.

The principal greenhouse gas was carbon dioxide, comprising 117.3 million metric tons. Other emissions included methane, with 0.5 million metric tons (3.0 MMTCE) and less than 0.001 million metric tons of nitrous oxide (0.06 MMTCE).

The only source of carbon dioxide emissions was fossil fuel combustion. Sources of methane emissions were landfills (89%), natural gas/oil extraction (8%), domesticated animals (2%), and manure management (1%). Nitrous oxide emissions were from nitric acid production (87%) and fertilizer use (13%). New Jersey did not evaluate sources and sinks associated with land use.

New Jersey's emissions in 1990 were 4.5 MTCE per capita, compared to 1990 U.S. emissions of 6.4 MTCE per capita.

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<sup>1</sup> These emissions include emissions of carbon dioxide from imported electricity and sulfur hexafluoride emissions from utilities and other uses.

### New Jersey Greenhouse Gas Emissions for 1990

BY SECTOR	CO <sub>2</sub> (MMTCE)	Methane (MMTCE)	Nitrous Oxide (MMTCE)	PFCs (MMTCE)	Total GHG Emissions (MMTCE)
Energy - Residential	3.9	*	*	*	3.9
Energy - Commercial	2.8	*	*	*	2.8
Energy - Industrial	6.7	*	*	*	6.7
Energy - Transport	15.5	*	*	*	15.5
Energy - Utility	3.0	*	*	*	3.0
<b>Total Energy</b>	<b>32.0</b>	<b>0.2</b>	*	*	<b>32.2</b>
<b>Waste</b>	*	<b>2.7</b>	*	*	<b>2.7</b>
<b>Agriculture</b>	*	<b>0.04</b>	<b>0.01</b>	*	<b>0.1</b>
<b>Industry</b>	*	*	<b>0.06</b>	*	<b>0.1</b>
<b>Land Use</b>	*	*	*	*	*
<b>Total</b>	<b>32.0</b>	<b>3.0</b>	<b>0.06</b>	*	<b>35.1</b>

All emissions are reported in million metric tons of carbon equivalent (MMTCE).

An asterisk ( \* ) indicates that emissions of the gas from this sector were zero, insignificant, or not reported.

Emissions due to coal mining and extraction of natural gas and oil are included in the total energy figures, and emissions from biofuel combustion are excluded.